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DNN N2002-074205 DNC C2002-031682

TI Control system for motor vehicles, detects variation in specific gas concentration by comparing average value detected based on digitized output signal of gas sensor element, with threshold value.

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NOVELTY - The output signal of a gas sensor element (11) which detects the variation in gas concentration is converted into a digital signal by an A/D converter (14). A calculation unit detects an average value based on the output digital signal. A gas concentration variation detector detects the variation in the specific gas concentration by comparing the detected average value with the threshold value.

USE - For detecting the variation in concentration of a specific gas using a gas sensor element in motor vehicles.

ADVANTAGE - Efficiently detects the variation in concentration of gases using a gas sensor element.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the control system. (Drawing includes non-English language text).

Gas sensor element 11

A/D converter 14

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